IN THE CLAIMS

Please amend the claims as hereafter provided:

1. (Currently amended) A compression process for adaptively compressing an image and storing the compressed image on a storage medium of a computer system, comprising:

segmenting the image into a plurality of segments;

analyzing a first segment of the plurality of segments to determine a compression technique for the first segment;

applying the compression technique to the first segment whereby the first segment is transformed into a storable form;

creating a tag for the compressed first segment, the tag including a decompression instruction particular to the compression technique and information identifying ~~the~~ a beginning, an ~~and~~ outline and boundaries of the first segment;

storing the tag and the compressed first segment in a storage medium; and

repeating the steps of analyzing, applying, creating and storing for each subsequent segment of the plurality of segments, wherein each of the plurality of segments is compressed by a compression technique that is optimal to that particular segment.

2. (Previously presented) A compression process as claimed in claim 1, wherein two or more of the compression techniques are different from each other.

3. (Previously presented) A compression process as claimed in claim 1, further comprising, for any segment of the plurality of segments, the step of further dividing the segment into sub-segments and repeating the steps of analyzing, applying, creating and storing for each of the sub-segments.

4. (Currently amended) A compression process as claimed in claim 1, further comprising encoding the plurality of compressed ~~images~~ segments to form a file of compressed encoded image data in transmittable form and storing the file in the storage medium.

5. (Previously presented) A compression process as claimed in claim 4, wherein for a plurality of images, repeat the step of segmenting for each of the images and for each of its resulting segments repeat the steps of analyzing, applying, creating and storing .

6. (Previously presented) A compression process as claimed in claim [[4]]1, wherein storing the compressed segment comprises writing a data file with information including one or more of memory management, data description members and display instruction members.

7. (Currently amended) A compression process for adaptively compressing an image stream having a plurality of images and storing the compressed images on a storage medium of a computer system, comprising:

for each image of the plurality of images, segmenting the image into a plurality of segments, and for each segment of the plurality of segments associated with that image performing the steps of:

analyzing the segment to determine a suitable compression technique that is optimal for the segment;

applying the suitable compression technique to the segment;

creating a tag for the compressed segment, the tag including a decompression instruction particular to the suitable compression technique and information identifying ~~the~~ a beginning, an~~and~~ outline and boundaries of the first segment; and

storing the tag and the compressed segment in the storage medium.

8. (Previously presented) A compression process as claimed in claim 7, wherein two or more of the compression techniques are different from each other.

9. (Previously presented) A compression process as claimed in claim 7, wherein, for each of the images, the segments are either overlapping or arbitrarily shaped regions of the image.

10. (Currently Amended) a compression process as claimed in claim 7, wherein storing the compressed segment comprises writing a data file with information including one or more of a memory manager, a data description member and a display instruction member.

11-14. Cancelled (Withdrawn)